

Title (en)
Electrostatic precipitator and method for electrostatic precipitation from gases

Title (de)
Elektroabscheider und Verfahren zur Partikelabscheidung aus Gasen

Title (fr)
Séparateur électrique et procédé de séparation de particules à partir de gaz

Publication
EP 2298450 B1 20140409 (DE)

Application
EP 10009783 A 20100917

Priority
DE 102009042113 A 20090918

Abstract (en)
[origin: EP2298450A1] The electrostatic precipitator has a collecting electrode (5) and a high-voltage electrode (1). A unit is provided for supplying emergency current to the high voltage electrode. The detachment of load is controlled. The unit for supplying emergency current has an irradiating unit for producing light, particularly ultraviolet light. The irradiating unit has a mercury gas discharge lamp. An auxiliary electrode (10) is provided which is surrounded by a dielectric (15) which comprises polymer, glass or ceramic. An independent claim is also included for a method for separation of dust with electrical resistance.

IPC 8 full level
B03C 3/41 (2006.01); **B03C 3/016** (2006.01); **B03C 3/64** (2006.01); **B03C 3/68** (2006.01)

CPC (source: EP)
B03C 3/016 (2013.01); **B03C 3/41** (2013.01); **B03C 3/64** (2013.01); **B03C 3/68** (2013.01)

Cited by
DE102014101742A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)
EP 2298450 A1 20110323; EP 2298450 B1 20140409; DE 102009042113 A1 20110421

DOCDB simple family (application)
EP 10009783 A 20100917; DE 102009042113 A 20090918